Appl. No 10/614,261 Amdt. Dated Jun. 8, 2007

Reply to Final Office Action of Dec. 11, 2006

## **CLAIM AMENDMENTS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

Please amend the claims as follows:

Claims 1 - 17 (canceled)

Claims 18 - 25 (withdrawn)

Claim 26. An apparatus for controlling a computer by tracking the motion of a body comprising:

- a. a laser,
- b. a laser-speckle pattern generating means,
- c. an optically-sensed digitally-autocorrelated navigation chip receiving means for receiving the laser-speckle pattern, and generating signals to control a computer.
- Claim 27. The apparatus of Claim 26 where said laser and said laser-speckle pattern generating means are combined as a first rigid unit projecting a laser-speckle pattern which moves in correspondence to the movement of the first rigid unit.
- Claim 28. The first rigid unit of Claim 27 where said laser-speckle pattern is projected onto the optically-sensed digitally-autocorrelated navigation chip of Claim 26.
- Claim 29. The first rigid unit of Claim 28 where the output of said optically-sensed digitally-autocorrelated navigation chip communicates computer controlling signals to a computer indicative of the motion of the first rigid unit.
- Claim 30. The first rigid unit of Claim 27 where said first rigid unit may be rigidly attached to a further body thus enabling the computer registering of motion parameters of said further body.

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- Claim 31. The apparatus of Claim 26 where said laser and receiving means are combined as a second rigid unit and arranged such that the laser beam of said laser points to an area in front of but not into the receiving means of Claim 26.
- Claim 32. The second rigid unit of Claim 31 where said laser beam points to an object generating a laser-speckle pattern moving in correspondence to the motion of the object and which enters the receiving means of Claim 26.
- Claim 33. The second rigid unit of Claim 31 where the output of said optically-sensed digitally-autocorrelated navigation chip communicates computer controlling signals to a computer indicative of the motion of the object of Claim 32.